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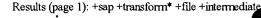
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The automatic generation of sparse primitives
Aart J. C. Bik, Peter J. H. Brinkhaus, Peter M. W. Knijnenburg
June 1998 ACM Transactions on Mathematical Software (T

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Primitives in mathematical software are usually written and " sparse compiler" that is capable of automatical a completely different approach to the generation of sparse particular primitive is supplied to the sparse compiler, after ...

Keywords: compilers, data structure transformations, restr

## <sup>2</sup> Expressional loops

Richard C. Waters

January 1984 Proceedings of the 11th ACM SIGACT-SIGPLAN 9

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This paper proposes an expressional loop notation (XLoop) practical to express loops as compositions of functions. The metaphor of expressions and decomposability to bear on the it makes algorithms much easier to construct, understand, loops by introducing a new ...

3 Level II technical support in a distributed computing env Tim Leehane

September 1996 Proceedings of the 24th annual ACM SIGUCCS

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4 The state of the art in distributed query processing Donald Kossmann

December 2000

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5 Composable ad hoc location-based services for hetero Todd D. Hodes, Randy H. Katz

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Wireless Networks, Volume 5 Issue 5

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6 ObjectGlobe: Ubiquitous query processing on the Interr R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz, August 2001 The VLDB Journal — The International Jou Full text available: ₱ pdf(251.44 KB) Additional Inform

We present the design of ObjectGlobe, a distributed and of published on the Internet via Web servers which have, if at the ObjectGlobe project is to establish an open marketplacidistributed and used by any kind of Internet application. Furnachi ...

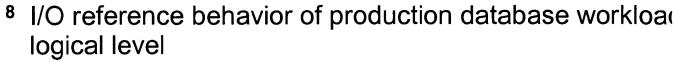
Keywords: Cycle-, function- and data provider, Distributed Query optimization, Security

#### <sup>7</sup> BASIC

Thomas E. Kurtz

January 1978 The first ACM SIGPLAN conference on History of | Full text available: pdf(1.61 MB) Additional Information: full

Dartmouth College is a small university dating from 1769, Youth of the Indian Tribes in this Land in reading, writing a others." (Wheelock 1769.) The undergraduate stude students by more than 5 to 1, and majors predominantly in 1940 a milestone ...



Windsor W. Hsu, Alan Jay Smith, Honesty C. Young

March 2001 ACM Transactions on Database Systems (TOI

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As improvements in processor performance continue to far increasingly the bottleneck in computer systems, especially data. The key to achieving good I/O performance is to thor present a comprehensive analysis of the logical I/O referer ten of the world's largest corporatio ...

Keywords: I/O, TPC benchmarks, caching, locality, prefetcl sequentiality, workload characterization

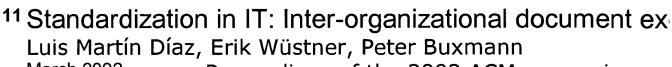
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March 2001 Proceedings of the conference on Design, automat Full text available: pdf(768.00 KB) Additional Information: full citation, referen

N. Mano

April 1988 Proceedings of the 10th international conference Full text available: pdf(858.92 KB) Additional Information:

We propose a new modeling scheme named S-model (whic based on a uniform object-relationship formalism. S-model syntax and covers wide range of information of file-process algorithms and problem-solving capability of S-model systems.



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Information exchange processes are often characterized by order to achieve compatibility between information system between applications of different software vendors or wher software. In this paper we want to survey the conversion participants often use different da ...

Keywords: Java, XML, conversion problem, information sys standardization, supply chain management

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Peter A. Boncz, Martin L. Kersten

October 1999 The VLDB Journal — The International Jo Full text available: pdf(261.36 KB) Additional Inform

In query-intensive database application areas, like decisior fragmentation have a significant performance advantage. I on top of such a fragmented data model, a flexible yet pow been successfully tackled in Monet, a modern extensible data design choices made in the Monet interprete ...

Keywords: Database systems, Main-memory techniques, Q



Hausi A. Müller, Jens H. Jahnke, Dennis B. Smith, Margaret-May 2000 Proceedings of the conference on The future of Full text available: pdf(1.53 MB) Additional Information: full

Keywords: data reverse engineering, program comprehens analysis, software engineering, software evolution, softwar software tools, tool adoption, tool evaluation

## 14 The ILLIAC IV FORTRAN compiler

Robert E. Millstein, Charles A. Muntz

January 1975 ACM SIGPLAN Notices, Proceedings of the confer and vector machines, Volume 10 Issue 3

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This paper provides a basic description of a FORTRAN system system & rdquo; means exactly what one would expect & major surprises when he uses ILLIAC FORTRAN. The langu FORTRAN. The processors are the same & mdash; a compile source text, a link editor which collects and joins separat ...

6 of 9



Michael Stonebraker, Joseph M. Hellerstein May 2001 ACM SIGMOD Record, Proceedings of the 2001 ACM Volume 30 Issue 2

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We define the problem of content integration for fundamental ways from traditional issues surro data warehousing and OLTP. Content integration but encompasses a broader set of applications of content integration and required services for architectural alternatives and discuss ...

<sup>16</sup> Coarse grain reconfigurable architecture (embedded tu Reiner Hartenstein

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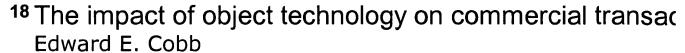
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The paper gives a brief survey over a decade of R&D on co techniques and points out its significance to the emerging (

<sup>17</sup> Legacy information systems and business process cha Ashley D. Lloyd, Dick Dewar, Rob Pooley December 1999 Communications of the AIS

Full text available: pdf(572.94 KB)

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August 1997 The VLDB Journal — The International Journal text available: pdf(649.17 KB)

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Businesses today are searching for information solutions the minimize risk, these solutions must build on existing invest problem, and be manageable. Object technology, with its problem, delivers these characteristics but, to date, its limited. One possible reason is the ...

Keywords: Objects, Workflow, transaction processing

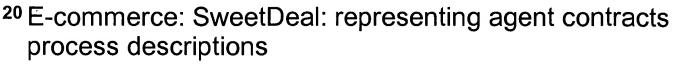
<sup>19</sup> Information systems: MinSQL: a simple componentized Garret Swart

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MinSQL is a Java relational database that has been optimis classroom. It builds on basic Java technology and design p of Java technology and patterns and also to allow students MinSQL design is embodied in a set of Java interfaces that wide variety of implementations. Th ...

Keywords: classroom software, componentized software



Benjamin N. Grosof, Terrence C. Poon

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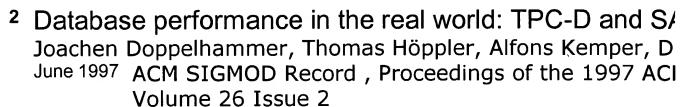
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Traditionally, database systems have been evaluated in isc Wisconsin, TPC-C, TPC-D). We argue that very often such a DBMSs in the " real world." End users typicall use a comprehensive application system, in which the data to derive performance evalu ...

The automatic generation of sparse primitives

Aart J. C. Bik, Peter J. H. Brinkhaus, Peter M. W. Knijnenburg

June 1998 ACM Transactions on Mathematical Software (T

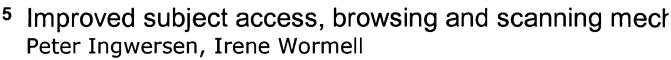
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Focusing on communication, the paper analyses and propo particular concerned with ill defined and " muddled&searching and text representation. The need for developmed devices, based on existing methods to support searchers is indexing methods fitting the poten ...

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<sup>7</sup> Inter-active graphic methods for automating mechanical Jacob M. Miller

June 1980 Proceedings of the seventeenth design automatic Full text available: pdf(1.09 MB)

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Automating of mechanical engineering design, drafting, str EOSC with interactive graphic time share terminals. It was tasks and to stay competitive in the industry, these tasks I intensive manual design and drafting methods, and structuand vendor surveys were conducte ...

Windows NT software design and implementation for a Marko Hännikäinen, Timo Vanhatupa, Jussi Lemiläinen, Timo August 1999 Proceedings of the 2nd ACM international workshow Full text available: pdf(1.20 MB)

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Keywords: Windows NT, demostrator platform, wireless LA

The state of the art in distributed query processing Donald Kossmann

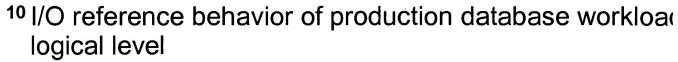
December 2000 ACM Computing Surveys (CSUR), V

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11 Standardization in IT: Inter-organizational document ex-Luis Martín Díaz, Erik Wüstner, Peter Buxmann March 2002 Proceedings of the 2002 ACM symposium or

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Information exchange processes are often characterized by order to achieve compatibility between information system between applications of different software vendors or wher software. In this paper we want to survey the conversion p participants often use different da ...

Keywords: Java, XML, conversion problem, information sys standardization, supply chain management



## <sup>12</sup> Supervisory and Monitor Systems

Robert F. Rosin

January 1969 ACM Computing Surveys (CSUR), Volume 1 Is:

Full text available: pdf(1.33 MB) Additional Information: full citation, references, c

## <sup>13</sup> Data base processor mage

G. Berger Sabbatel

March 1980 Proceedings of the fifth workshop on Computer Full text available: pdf(641.92 KB)

Additional Information: ft

In this paper, we present the design of data base processo method. It is composed of two microprocessors, a disk prodesign decisions, and architecture are discussed. We start method is then summarized. Finally, we present the design on the disk processor.

## 14 The ILLIAC IV FORTRAN compiler

Robert E. Millstein, Charles A. Muntz

January 1975 ACM SIGPLAN Notices, Proceedings of the conference and vector machines, Volume 10 Issue 3

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The paper gives a brief survey over a decade of R&D on cotechniques and points out its significance to the emerging (

<sup>17</sup> Risks to the public in computers and related systems
Peter G. Neumann

January 2002 ACM SIGSOFT Software Engineering Notes, Volu

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18 On the measured behaviour of a X.25 packet switching Alberto Faro, Gaetano Messina, Franco Martinucci August 1983 Proceedings of the 1983 ACM SIGMETRICS confer Full text available: ₱pdf(566.95 KB) Additional Information: f

The aim of this paper is to present some measurements on of a typical X.25 DTE-DCE interface. The communication paper flow control, the length and contents of the packets and the X.25 subnetwork are compared with others obtained through subnetwork. Some considerations are presente ...

<sup>19</sup> Invited papers&mdash;3: Observations on time-shared L. R. Lavine, J. I. Schwartz

August 1965

Proceedings of the 1965 20th national (

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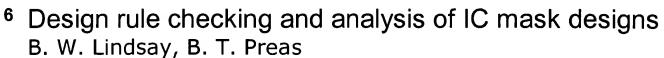
January 1995 ACM SIGCOMM Computer Communication Review Full text available: pdf(1.75 MB)

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Barry W. Boehm

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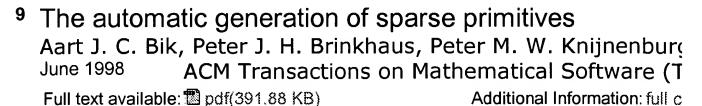
This paper presents a view of software engineering as it is with respect to lessons learned in the past few years, and chalf of the time. The paper discusses some of the factors w change, education shortfalls, technology transfer inhibition models, and a restr ...

8 NSF workshop on industrial/academic cooperation in da Mike Carey, Len Seligman

March 1999 ACM SIGMOD Record, Volume 28 Issue 1

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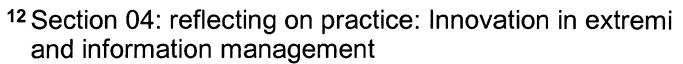
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- 10 Design and management of data warehouses report or Stella Gatziu, Manfred Jeusfeld, Martin Staudt, Yannis Vassili December 1999 ACM SIGMOD Record, Volume 28 Issu-Full text available: pdf(37.25 KB) Additional Information: full cita
- 11 An architecture for secure wide-area service discovery
  Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony
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The widespread deployment of inexpensive communication infrastructure, and network-enabled end devices poses an network service or device out of hundreds of thousands of architecture and implementation of a secure wide-area Ser to advertise descriptions of available ...

Keywords: location services, name lookup, network protoco



Victoria Bellotti, Nicolas Ducheneaut, Mark Howard, Ian Smit June 2002 Proceedings of the conference on Designing interaction: Full text available: pdf(1.44 MB)

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We describe our experience of trying to develop a novel ap coordination-based and personal) from stand-alone resource two models for accomplishing this goal; these were to emb in the client. Our exploration of the first model was intension of design process. We adopted Extre ...

Keywords: Extreme Programming, Personal Information Ma

<sup>13</sup> A model, analysis, and protocol framework for soft state Suchitra Raman, Steven McCanne

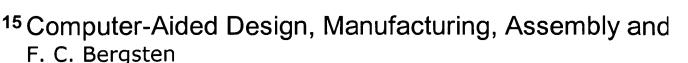
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"Soft state" is an often cited yet vague concept in network intercommunicate in a loosely coupled, often anonymous fa at all) rather than analytically: a source of *soft state* transformunication channel to one or more receivers that mair periodic updates cease. Though a nu ...

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This paper describes an integrated Computer-Aided Design increased productivity and quality. The term CADMAT whic of all design automated and computer augmented processed design and test phase of electronics, Interactive Graphiss (test vector generation are discussed. I ...

16 Poster papers: Discovery net: towards a grid of knowled V. ?ur?in, M. Ghanem, Y. Guo, M. Köhler, A. Rowe, J. Syed, July 2002 Proceedings of the eighth ACM SIGKDD internations Full text available: pdf(656.11 KB)
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This paper provides a blueprint for constructing collaborative Grid-based computing environments. The need for such system of the second computing resources within the boundaries Virtual Organisations (VO) created to tackle specific project federation management layer and is compos ...

## <sup>17</sup> Content integration for e-business

Michael Stonebraker, Joseph M. Hellerstein

May 2001 ACM SIGMOD Record, Proceedings of the 2001 ACM Volume 30 Issue 2

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We define the problem of content integration fundamental ways from traditional issues surrodata warehousing and OLTP. Content integration but encompasses a broader set of applications of content integration and required services for architectural alternatives and discuss ...



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Businesses today are searching for information solutions the minimize risk, these solutions must build on existing invest problem, and be manageable. Object technology, with its problem, delivers these characteristics but, to date, its limited. One possible reason is the ...

Keywords: Objects, Workflow, transaction processing

<sup>19</sup> The design of an inexpensive undergraduate data com Wayne D. Smith

March 1991 ACM SIGCSE Bulletin, Proceedings of the twenty-education, Volume 23 Issue 1

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Mathias Johanson

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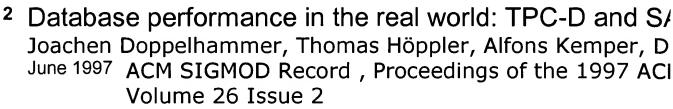
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Inter-active graphic methods for automating mechanica Jacob M. Miller

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Automating of mechanical engineering design, drafting, str EOSC with interactive graphic time share terminals. It was tasks and to stay competitive in the industry, these tasks I intensive manual design and drafting methods, and structuand vendor surveys were conducte ...



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Traditionally, database systems have been evaluated in isc Wisconsin, TPC-C, TPC-D). We argue that very often such a DBMSs in the " real world. " End users typicall use a comprehensive application system, in which the data to derive performance evalu ...

## 3 The ILLIAC IV FORTRAN compiler

Robert E. Millstein, Charles A. Muntz

January 1975 ACM SIGPLAN Notices, Proceedings of the confer and vector machines, Volume 10 Issue 3

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This paper provides a basic description of a FORTRAN syste system" means exactly what one would expect &mc major surprises when he uses ILLIAC FORTRAN. The langu FORTRAN. The processors are the same — a compile source text, a link editor which collects and joins separat ...

### 4 The state of the art in distributed query processing Donald Kossmann

December 2000

ACM Computing Surveys (CSUR), V

Full text available: pdf(455.39 KB)

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Distributed data processing is becoming a reality. Business in order to stay competitive. While much of the infrastructumodern network technology), a number of issues make distributed systems can become very large, involving thous server machines; (2) the stat ...

Keywords: caching, client-server databases, database appl economic models for query processing, middleware, multiti replication, wrappers

## 5 Supervisory and Monitor Systems

Robert F. Rosin

January 1969 ACM Computing Surveys (CSUR), Volume 1 Is:

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#### <sup>6</sup> BASIC

Thomas E. Kurtz

January 1978 The first ACM SIGPLAN conference on History of | Full text available: pdf(1.61 MB) Additional Information: full

Dartmouth College is a small university dating from 1769, Youth of the Indian Tribes in this Land in reading, writing a others." (Wheelock 1769.) The undergraduate stude students by more than 5 to 1, and majors predominantly in 1940 a milestone ...



7 Level II technical support in a distributed computing env Tim Leehane

September 1996 Proceedings of the 24th annual ACM SIGUCCS

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8 Composable ad hoc location-based services for heterograde D. Hodes, Randy H. Katz

October 1999

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9 MIL primitives for querying a fragmented world Peter A. Boncz, Martin L. Kersten October 1999 The VLDB Journal — The International Jo Full text available: pdf(261.36 KB)
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In query-intensive database application areas, like decisior fragmentation have a significant performance advantage. I on top of such a fragmented data model, a flexible yet pow been successfully tackled in Monet, a modern extensible data design choices made in the Monet interprete ...

Keywords: Database systems, Main-memory techniques, Q



August 2001 The VLDB Journal — The International Journal text available: pdf(251.44 KB)

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R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz,

We present the design of ObjectGlobe, a distributed and of published on the Internet via Web servers which have, if at the ObjectGlobe project is to establish an open marketplac distributed and used by any kind of Internet application. Furnachi ...

Keywords: Cycle-, function- and data provider, Distributed Query optimization, Security

11 RUNCIBLE— algebraic translation on a limited of Donald E. Knuth

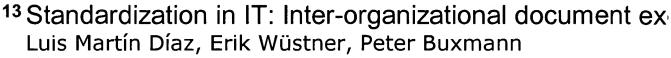
November 1959 Communications of the ACM, Volume 2 Issue Full text available: pdf(430.08 KB) Additional Information: full citation, reference

## 12 The automatic generation of sparse primitives

Aart J. C. Bik, Peter J. H. Brinkhaus, Peter M. W. Knijnenburg June 1998 ACM Transactions on Mathematical Software (T Full text available: pdf(391.88 KB) Additional Information: full c

Primitives in mathematical software are usually written and " sparse compiler" that is capable of automatical a completely different approach to the generation of sparse particular primitive is supplied to the sparse compiler, after

Keywords: compilers, data structure transformations, restr



March 2002

Proceedings of the 2002 ACM symposium or

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Information exchange processes are often characterized by order to achieve compatibility between information system between applications of different software vendors or wher software. In this paper we want to survey the conversion p participants often use different da ...

Keywords: Java, XML, conversion problem, information sys standardization, supply chain management

<sup>14</sup> Legacy information systems and business process cha Ashley D. Lloyd, Dick Dewar, Rob Pooley

December 1999

Communications of the AIS

Full text available: pdf(572.94 KB)

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<sup>15</sup> A preprocessor for structural analysis programs Peter K. Ho

June 1976 The proceedings of the thirteenth design automat Full text available: pdf(589.56 KB) Additional Information: fu

This preprocessor generates and updates input data on the and on gravity, seismic and other loadings.

<sup>16</sup> A decade of reconfigurable computing: a visionary retro R. Hartenstein

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The paper gives a brief survey over a decade of R&D on co techniques and points out its significance to the emerging (

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Benjamin N. Grosof, Terrence C. Poon

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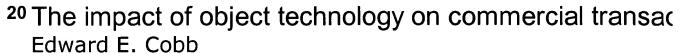
SweetDeal is a rule-based approach to representation of but evaluate, negotiate, and execute contracts with substantia courteous logic programs knowledge representation in Rule Here, we newly extend the SweetDeal approach by also income represented in DAML+OIL (emerging standa ...

Keywords: DAML+OIL, OWL, RDF, XML, business process a commerce, electronic contracts, intelligent software agents programs, ontologies, process descriptions, process knowle services

19 What next?: A dozen information-technology research ( Jim Gray

January 2003 Journal of the ACM (JACM), Volume 50 Issue Full text available: pdf(1.18 MB) Additional Information: full citation, references, contact and pdf(1.18 MB).

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Businesses today are searching for information solutions the minimize risk, these solutions must build on existing invest problem, and be manageable. Object technology, with its problem, delivers these characteristics but, to date, its limited. One possible reason is the ...

Keywords: Objects, Workflow, transaction processing

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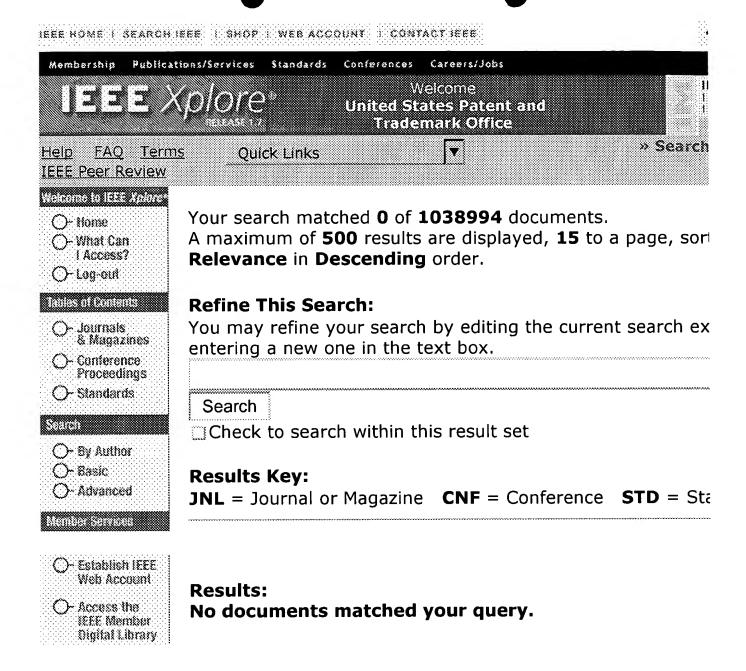
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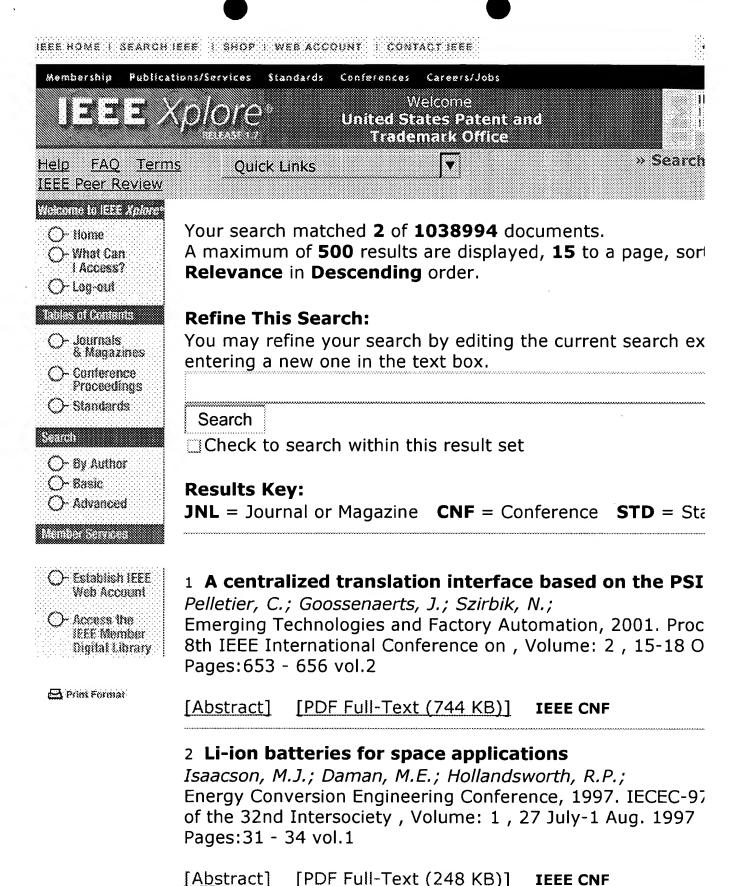
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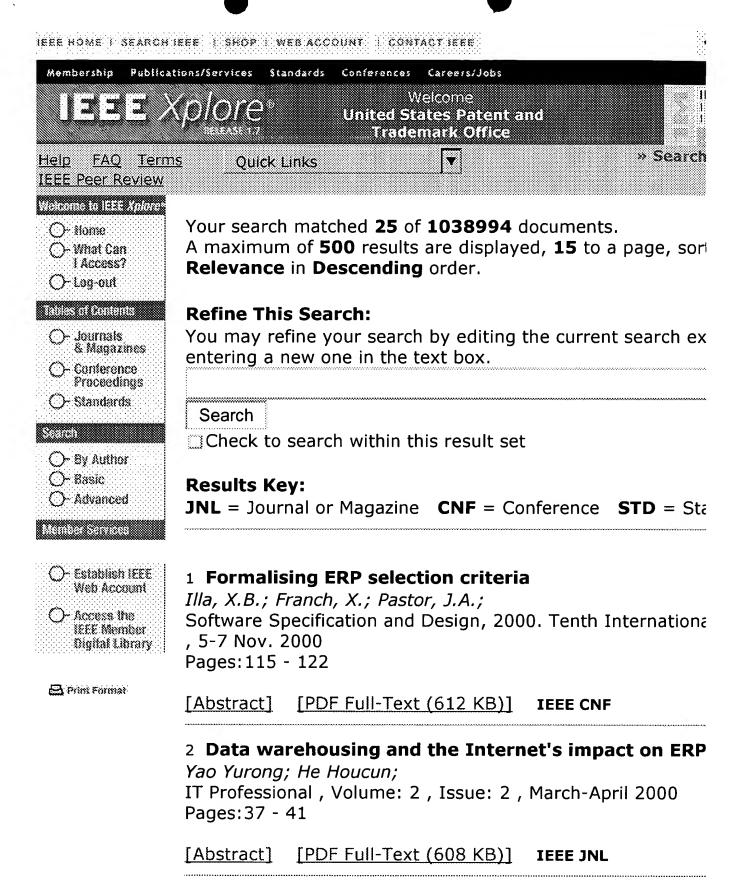
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